

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
23 June 2005 (23.06.2005)

PCT

(10) International Publication Number
WO 2005/057235 A1

(51) International Patent Classification⁷: **G01T 1/20**

(21) International Application Number:
PCT/IB2004/052640

(22) International Filing Date: 2 December 2004 (02.12.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
03104598.2 9 December 2003 (09.12.2003) EP

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BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CY, CZ,

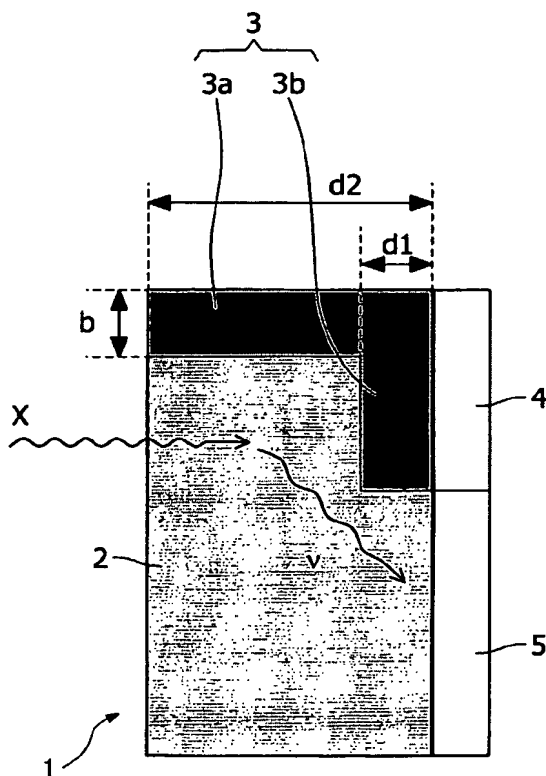
DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM,
HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK,
LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ,
NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD,
SE, SG, SK, SL, SY, SZ, TJ, TM, TN, TR, TT, TZ, UA, UG,
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[Continued on next page]

(54) Title: SHIELDING FOR AN X-RAY DETECTOR



(57) Abstract: The invention relates to an X-ray detec-
tor with detector elements (1) arranged in a layer. The de-
tector elements (1) contain a scintillator element (2) for
the conversion of X-rays (X) into photons (v), a photodi-
ode (5) for detection of the photons (v), and a processing
circuit (4) for the processing of electric signals gener-
ated by the photodiode (5). In order to protect the elec-
tronics (4) from X-rays a shielding (3) of variable effec-
tive thickness (d1, d2) is disposed in front of the elec-
tronics (4). This shielding (3) can in particular be L-shaped. By
reduction of the effective thickness of the shielding (3) to
a necessary minimum the volume of the scintillator unit
(2) can be maximized.

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WO 2005/057235 A1



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(81) **Designated States** (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,

TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) **Designated States** (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

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